





2012 Central Valley Flood Protection Plan Refinement

Technical Workshop:

Getting to Measurable Objectives

May 2013



Workshop Agenda

- Brief Presentation
 - Overview
 - Role of Objectives
 - Draft Objective Topics
 - Potential Metrics

- Workshop Activity
- Report Back
- Next Steps





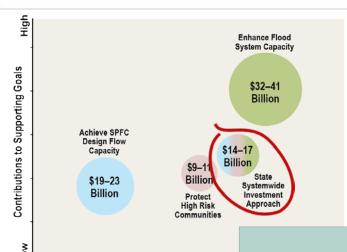
Workshop Ground Rules

- Honor the agenda
- Speak to focus and objectives of workshop
- Everyone is encouraged to participate
- Respectful interaction
- Turn cell phones off/silent





Post-Adoption Planning Activities



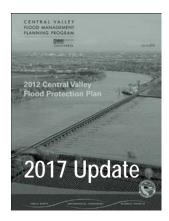
Refine and set the stage for long-term implementation of the State Systemwide Investment Approach (SSIA) described in the 2012 CVFPP

Contributions to Primary Goal of Improving FI KEY: SPEC = State Plan of Flood Control

Basin-Wide Feasibility Studies Sacramento and San Joaquin River Basins

Central Valley Flood System Conservation Strategy

Locally-led Regional Flood Management Planning

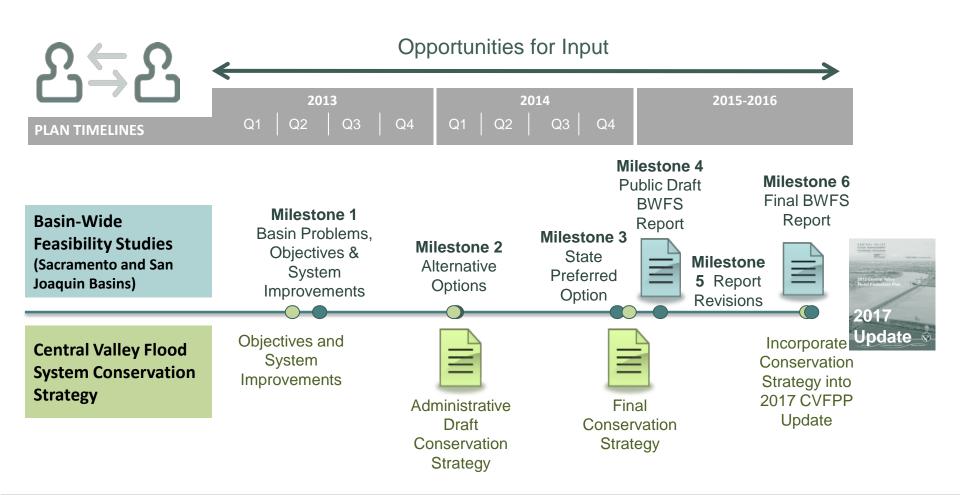


ECONOMIC STABILITY





Schedule







Getting to Measurable Objectives











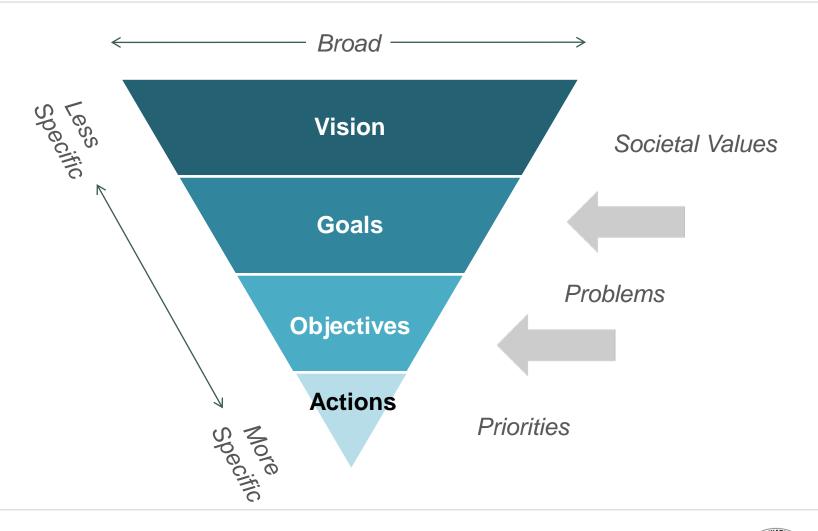




Role of Objectives in BWFS and Conservation Strategy



Guiding the Planning Process







Vision

Vision

Goals

Objectives

Actions



FloodSAFE Vision

Central Valley Flood Protection Act of 2008



2012 CVFPP

Central Valley Flood Protection Board 2012 CVFPP adoption resolution

ECONOMIC STABILITY





Goals

Vision

Goals

Objectives

Actions

2012 CVFPP Goals

CENTRAL VALLEY
FLOOD MANAGEMENT
PLANNING PROGRAM

CVFPP Primary Goal:

➤ Improve Flood Risk Management

CVFPP Supporting Goals:

- ➤ Improve Operations and Maintenance
- ➤ Promote Ecosystem Functions
- > Improve Institutional Support
- ➢ Promote Multi-Benefit Projects





Objectives Flow from CVFPP Goals

Vision

Goals

Objectives

Actions

CVFPP Goals:

- ➤ Improve Flood Risk Management
- ➤ Improve Operations and Maintenance

- People and property
- Flexibility
- Resiliency
- Floodplain Management

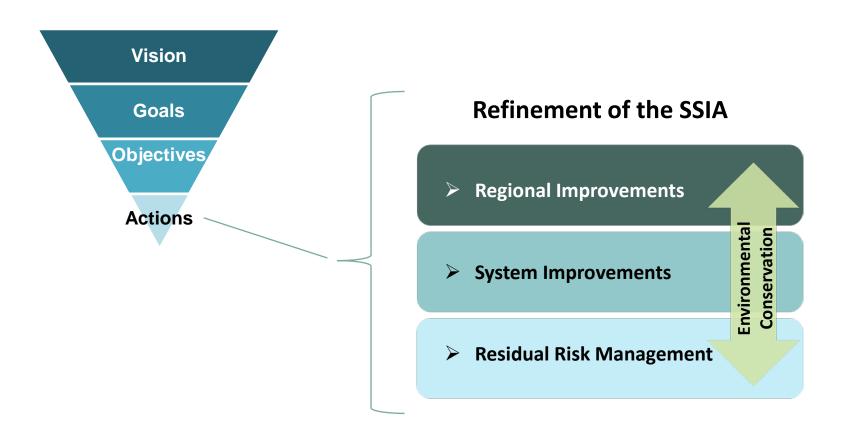
- **▶** Promote Ecosystem Functions
- ➤ Improve Institutional Support
- ➤ Promote Multi-Benefit Projects

- Ecosystem Processes
- Habitats
- Species
- Stressors





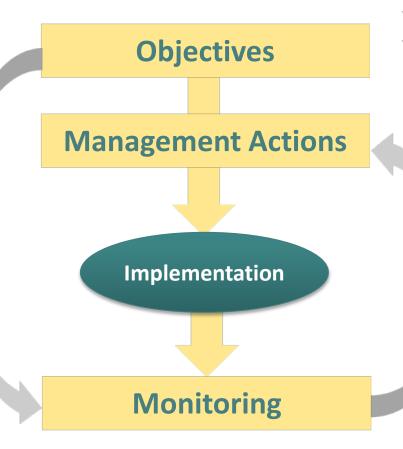
Objectives Help Refine Actions







Role of Objectives in Implementation



PUBLIC SAFETY

What do we want to achieve?
What do we measure?
How much is needed to achieve the results?

SSIA Refinement: What actions best achieve the objectives?

Are we making progress?

Do we need to adjust our actions?







Clarifying Questions?





Overview of Draft Objective Topics



Objective Topics 1-4: Flood Risk Management

CVFPP Goal: Improve Flood Risk Management

- 1. People and Property at Risk
 - 1a. Urban level of flood protection for urban/urbanizing areas
 - 1b. Protect small communities
 - 1c. Improve flood protection for rural-agricultural areas
- 2. Flood System Flexibility
- 3. Flood System Resiliency
- 4. Wise Management of SPFC Floodplains





Objective Topics 5-8: Ecosystem Functions

CVFPP Goal: Promote Ecosystem Functions

- 5. Ecosystem Processes
 - 5a. Inundated floodplain
 - 5b. Riverine geomorphic processes
- 6. Habitats
 - 6a. Shaded Riparian Aquatic
 - 6b. Riparian
 - 6c. Marsh
 - 6d. Floodplain agriculture
- 7. Species
 - 7a. Threatened and endangered target species

- 8. Stressors
 - 8a. Revetment
 - 8b. Levees
 - 8c. Fish passage barriers
 - 8d. Diversions
 - 8e. Invasive plants



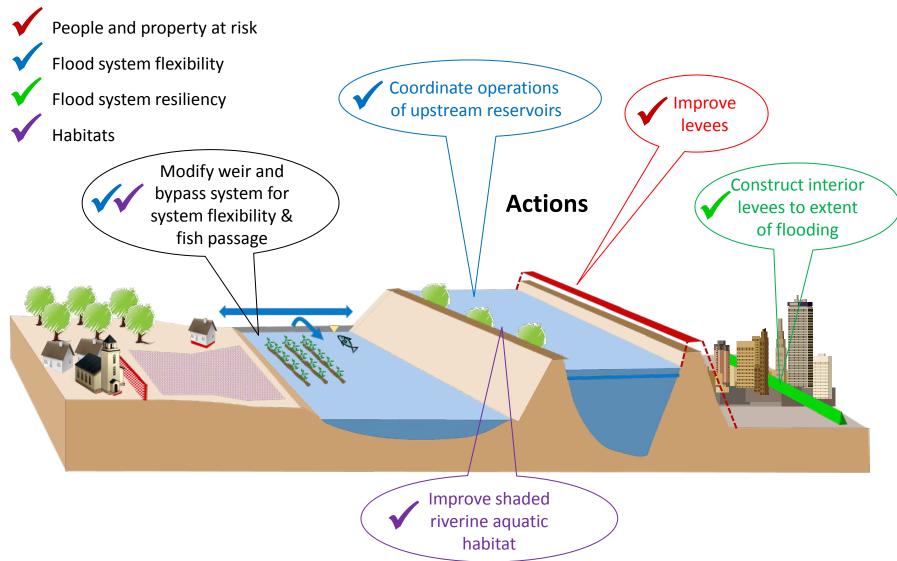






Objectives Lead to a Broad Range of Actions

Objective Topics



Objective Topics 9-15

CVFPP Goal: Improve Operations and Maintenance (O&M)

- 9. Long-Term Cost of O&M
- 10. Consistent and Efficient O&M Practices

CVFPP Goal: Improve Institutional Support

- 11. Collaboration
- 12. Sustainable Funding
- 13. Information and Tools
- 14. Project Approvals
 - 14a. Permit costs
 - 14b. Efficiency

CVFPP Goal: Promote Multi-Benefit Projects

15. Integrated Water Management









Metrics



Why Metrics?

- Measure accomplishments
 - Compare SSIA refinement options
 - Assess effectiveness and efficiency
- Monitor progress over time
 - Adaptive management
 - Prioritize or sequence actions



ECONOMIC STABILITY



Considerations for Analyzing Metrics

- Is the metric a good indicator of success in achieving the objective?
- Is the metric quantitative or qualitative (subjective or requiring judgment)?
- Do the data or tools exist that are needed to estimate the metric?
 - If not, can they be developed efficiently?
 - Is the measurement repeatable over time?









Examples of Metrics

- Example 1: Objective Topic 6, Habitat (6c. Marsh)
 - Increase the extent of marsh habitat on active floodplain by _____ acres
- Example 2: Objective Topic 14, Project Approvals (14a Permit Costs)
 - Reduce the average cost of permits and regulatory approvals by ___% (as a % of total project cost)



Magnitude/Quantity









Questions?





Workshop Activity



Gallery Walk

- Participants provide comments on potential metrics (40 minutes)
- Move at own pace

- Use sticky notes for comments; make sure to label
- Mark if you agree with another comment
- Following gallery walk, synthesize comments and review together in plenary







Gallery Walk Stations

Station A: Improve Flood System Management

Station B: Promote Ecosystem Functions

Station C: Improve O&M, Improve Institutional Support, and Promote Multi-Benefit Projects

Station D: CVFPP, BWFS, and Conservation Strategy
Overview (informational only

Staff are available at each station to answer questions







Input on Potential Metrics

- Are these the appropriate metrics for this objective topic? If not, what other metrics should be considered?
- Which potential metric(s) would be most effective in measuring this objective topic?











Report Back





Process for Developing Measurable Objectives and Next Steps

Examples of Measurable Objectives

- Example 1: Objective Topic 6, Habitat (6c. Marsh)
 - Increase the extent of marsh habitat on active floodplain by _____ acres
- Example 2: Objective Topic 14, Project Approvals (14a Permit Costs)
 - Reduce the average cost of permits and regulatory approvals (as a % of total project cost) by ___%







Getting to Measurable Objectives

Workshop #1 How are objectives used?

What should we measure (metrics)?

Today's Workshop

Analysis

What tools and data are available for the metrics?
What can they tell us about upper/lower limits, sensitivities and constraints?

Workshop #2

What do analyses tell us about the metrics? About potential magnitudes or quantities?

Fall 2013

Draft Measurable Objectives







Feedback and Information

- Today's Workbook is available at http://www.water.ca.gov/cvfmp/meetings/
- Comments due Thursday, May 9

PUBLIC SAFETY

Email to cvfmp@water.ca.gov



- Mail to Attn: May 2 DWR Workshop, P.O. Box 942836,
 Sacramento, CA 94236
- Be sure to include your name and contact information
- Stay tuned for information on Workshop #2







